



***DARPA*Tech**

2002 Symposium

Transforming
Fantasy



**Maj Jim
Shoemaker, USAF**

Program Manager,
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Technology Office



ORBITAL EXPRESS

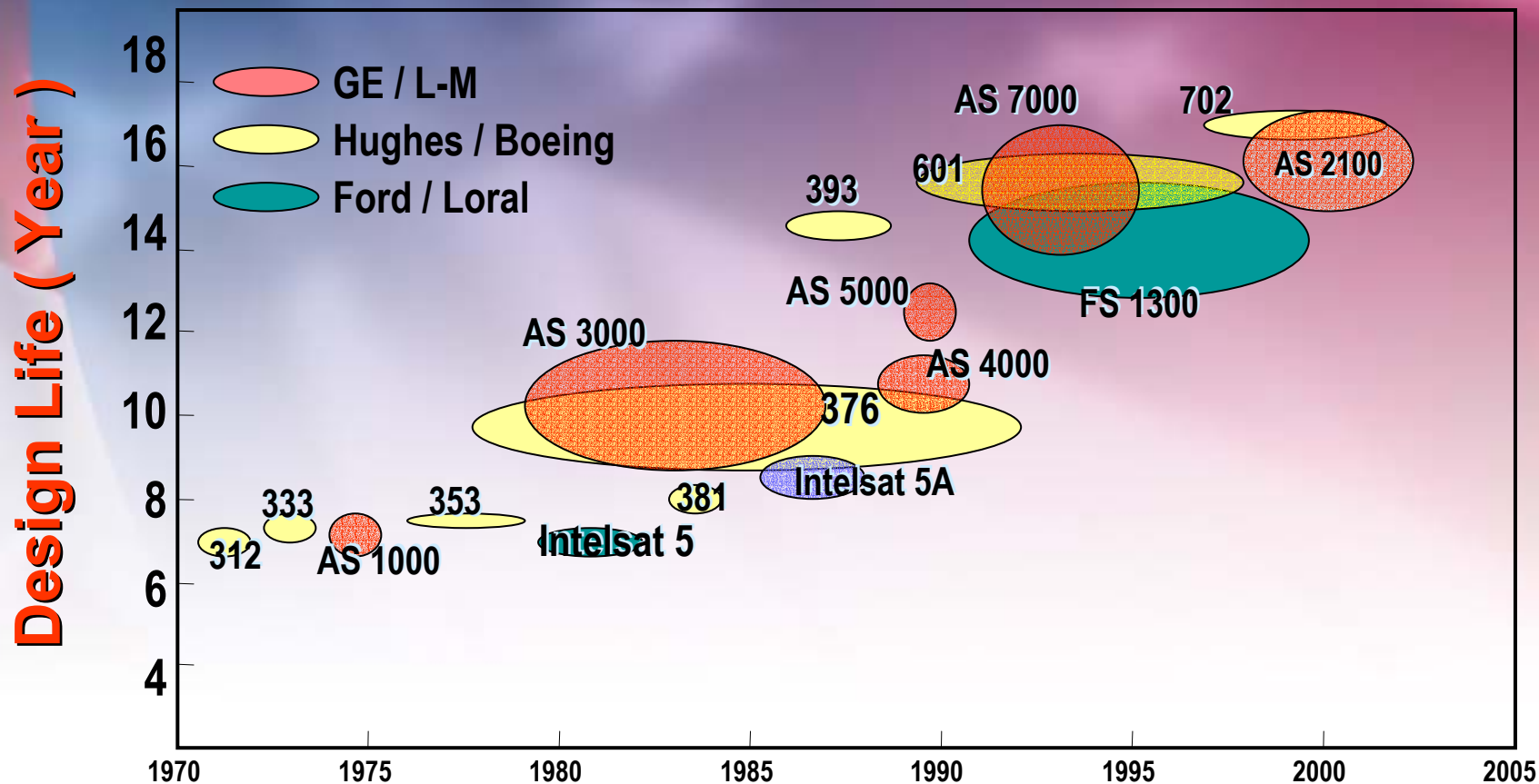
A Better Way of Doing Business in Space



Major James Shoemaker,
USAF, Ph.D.

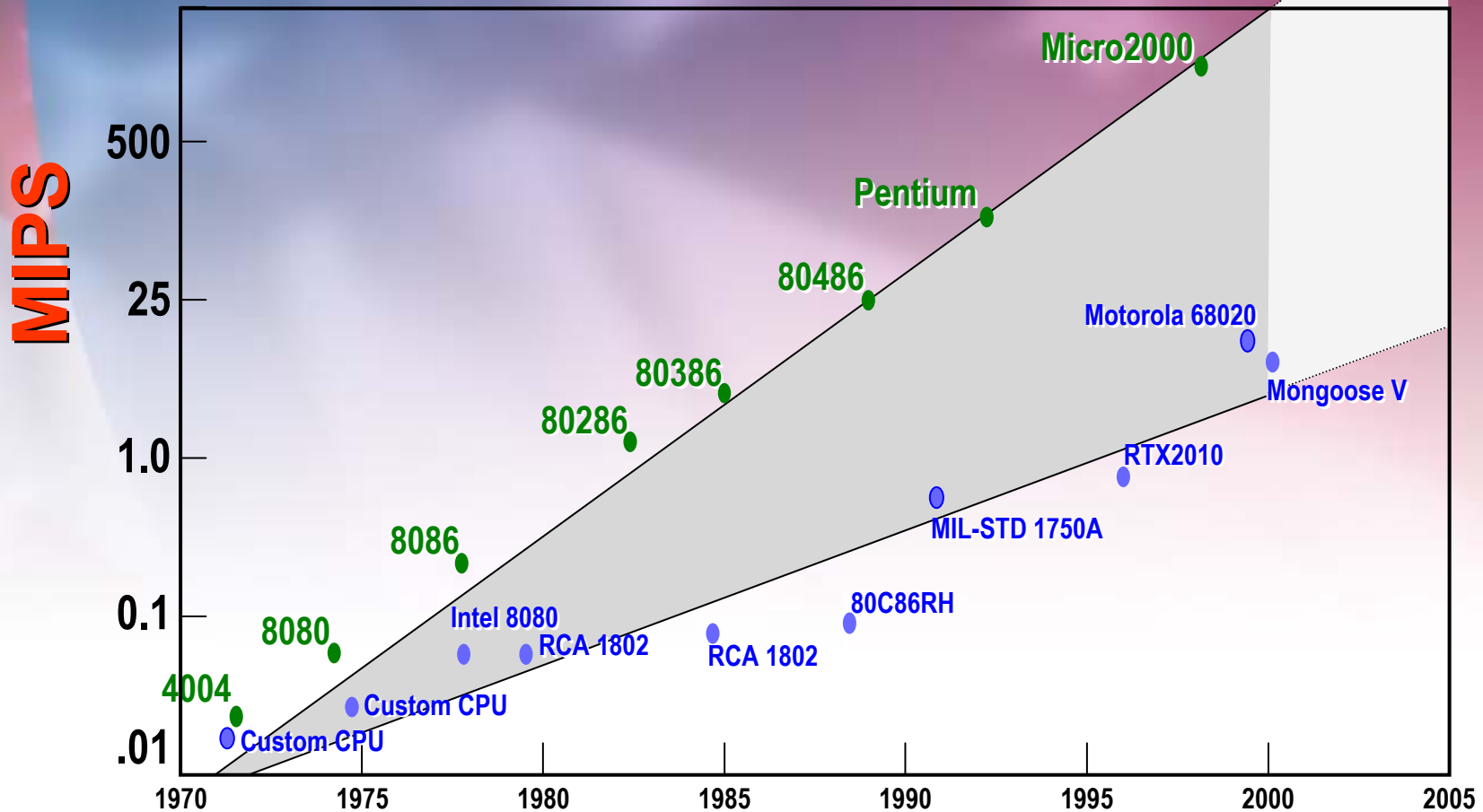
“MooreSats” Upgradable (P³I) Satellite Architectures

Geo Communication Satellite Lifetime

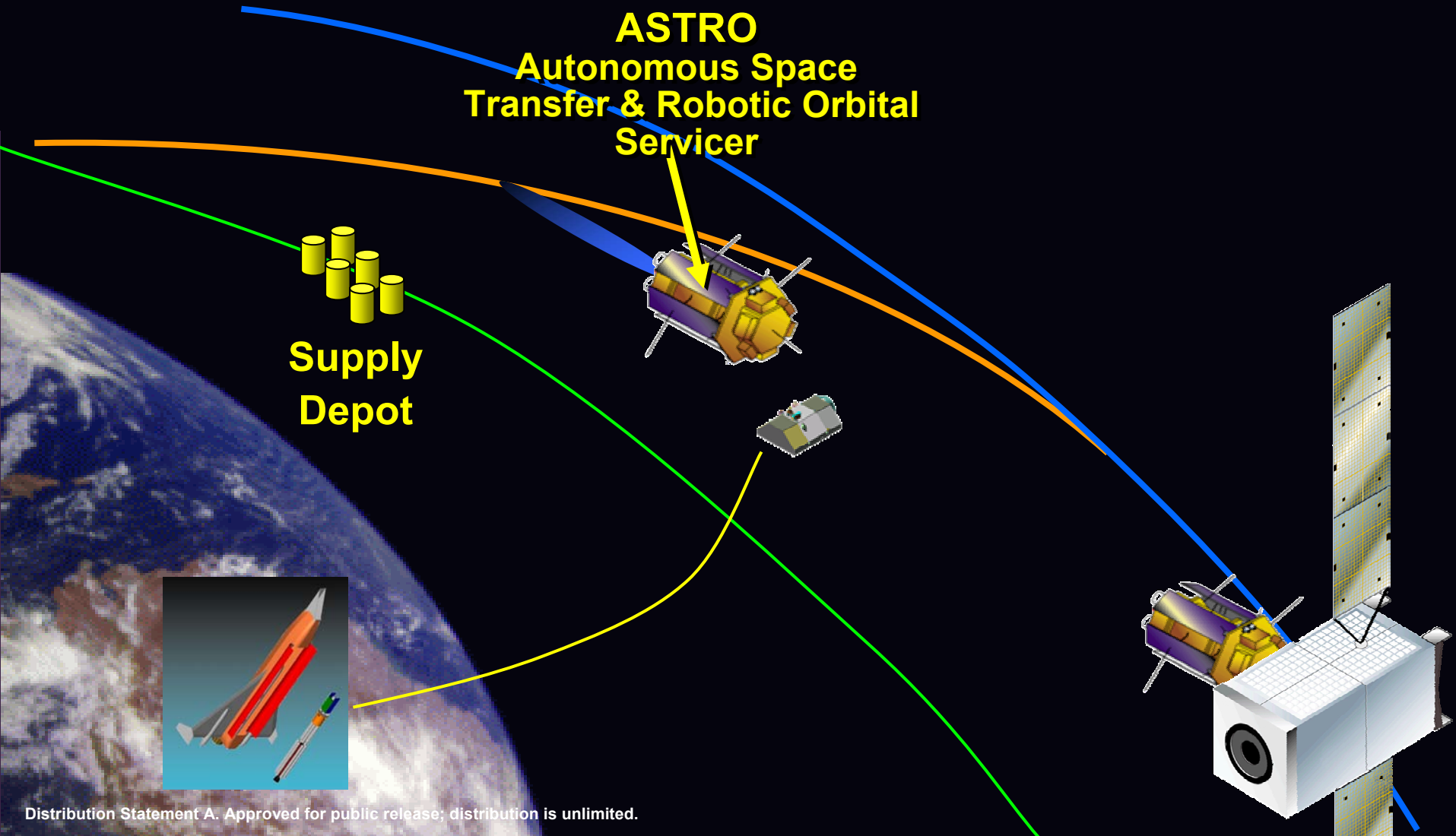


“MooreSats” Moore’s Law for Satellites

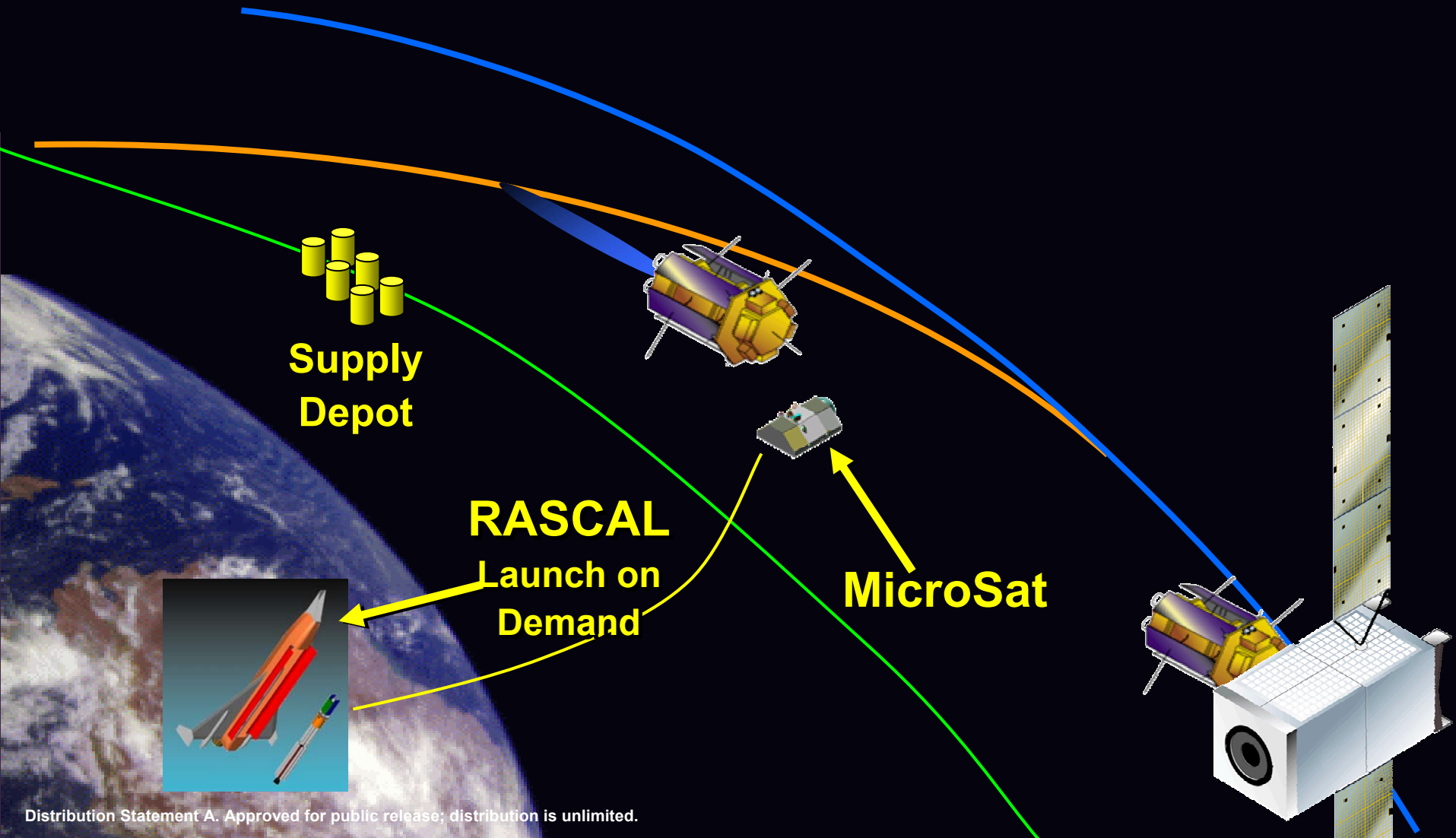
Flight vs. Ground Processor Capability



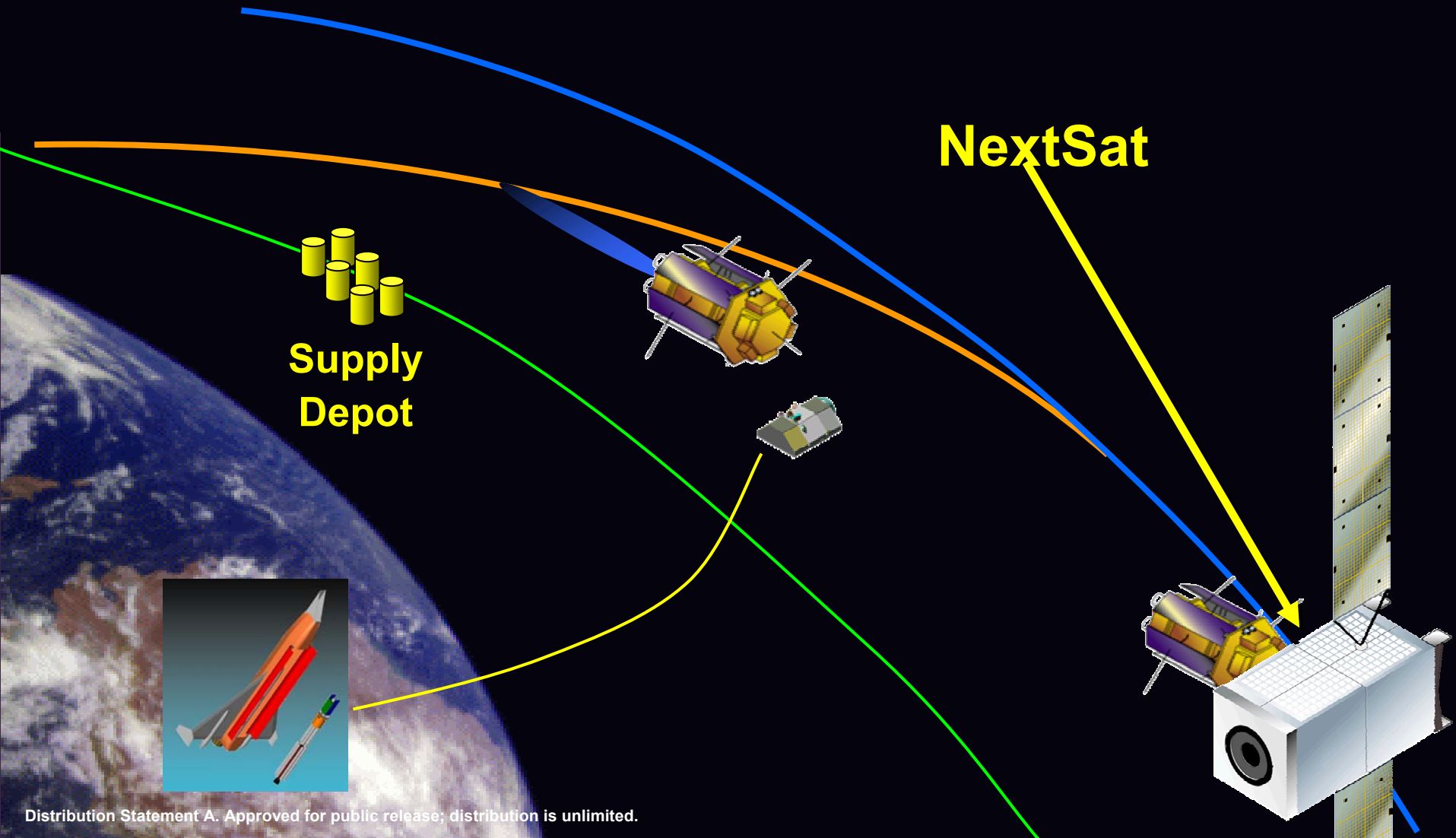
Orbital Express On-Orbit Servicing Infrastructure



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Orbital Express On-Orbit Servicing Infrastructure



BOEING MOVIE

MOVIE FROM BOEING WILL GO HERE



Conclusions

- ▶ Fuel provides maneuverability
- ▶ New electronics improve performance





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